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UNITED STATES DEPARTMENT OF AGRICULTURE

WORKERS IN SUBJECTS PERTAINING TO AGRICULTURE IN STATE AGRICULTURAL COLLEGES AND EXPERIMENT STATIONS

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MISCELLANEOUS CIRCULAR No. 58

UNITED STATES DEPARTMENT OF AGRICULTURE
MISCELLANEOUS CIRCULAR No. 58
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WORKERS IN SUBJECTS PERTAINING TO AGRICULTURE IN STATE AGRICULTURAL COLLEGES AND EXPERIMENT STATIONS

By MARY A. AGNEW
Office of Experiment Stations

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KEY TO ABBREVIATIONS

Acct., Accountant, Accounts.
Actg., Acting.
Admin., Administration, Administrative.
Agr., Agriculture, Agriculturist, Agricultural.
Agron., Agronomy, Agronomist.
Agt., Agent.
An., Animal.
Anal., Analytical, Analysis.
Anat., Anatomy.
Arch., Architecture.
Assoc., Associate, Association.
Asst., Assistant.
Bact., Bacteriology, Bacteriologist.
Biochem., Biochemist, Biochemistry.
Biol., Biology, Biologist, Biological.
Bot., Botany, Botanist, Botanical.
Brdg., Breeding.
Chair., Chairman.
Chem., Chemistry, Chemist, Chemical.
Climat., Climatology, Climatologist.
Coll., College.
Comp., Comparative.
Comn., Commission.
Comr., Commissioner.
Consult., Consulting.
Coop., Cooperation, Cooperative, Cooperator.
Corresp., Correspondence, Correspondent.
Dem., Demonstration, Demonstrator.
Dept., Department.
Dir., Director.
Dist., District.
Div., Division.
Dom., Domestic.
Econ., Economy, Economic, Economics, Economist.
Ed., Education.
Ele., Elementary.
Engin., Engineer, Engineering.
Ent., Entomology, Entomologist, Entomological.
Erad., Eradication.
Expt., Experiment, Experimentalist, Experimental.
Ext., Extension.
Fert., Fertility, Fertilizer.
Flor., Floriculture, Floriculturist, Floricultural.
For., Forestry, Forester.
Gard., Gardening.
Gen., General.
Geol., Geology; Geologist, Geological.
Grad., Graduate.
Histol., Histology, Histologist.
Hon., Honorary.
Hort., Horticulture, Horticulturist, Horticultural.
Husb., Husbandry, Husbandman.
Hyg., Hygiene.
Illus., Illustration, Illustrative.
Indus., Industry, Industrial, Industries.
Inorg., Inorganic.
Insp., Inpection, Inspector.
Instr., Instructor.
Insts., Institutes.
Invest., Investigations, Investigational.
Irrig., Irrigation, Irrigationist.
Lab., Laboratory.
Landsc., Landscape.
Lect., Lecturer.
Libr., Library, Librarian.
Mach., Machine, Machinery.
Mech., Mechanics, Mechanical.
Met., Meteorology, Meteorologist.
Mfg., Manufacturing.
Mfrs., Manufactures.
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Mycol., Mycology, Mycologist.
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Org., Organic.
Organ., Organization.
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Pract., Practice, Practical.
Prep., Preparatory.
Pres., President.
Prin., Principal.
Prod., Production.
Prof., Professor.
Pubs., Publications.
Roms.
Sci., Science, Scientific.
Sec., Section.
Secy., Secretary.
Secon., Secondary.
Sociol., Sociology.
Sta., Station.
Substa., Substation.
Supt., Superintendent.
Supvr., Supervisor.
Surg., Surgery.
Tech., Technology, Technologist, Technical.
Treas., Treasurer.
Trop., Tropical.
Univ., University.
Veg., Vegetable, Vegetation.
Vet., Veterinary, Veterinarian.
Vit., Viticulture, Viticulturist, Viticultural.
Voc., Vocational.
Zool., Zoology, Zoologist.

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NOTE—In the preparation of this publication Miss Agnew was assisted by Miss Betty T. Richardson, of the Office of Experiment Stations.

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A key to the abbreviations used is given on page III.

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[2] For subject-matter workers see the respective division, i. e., agronomy, animal industry, etc.

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‡Harold Ellis, *Information and Publicity.*

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*†C. D. Learn, M. A., *Asst. Prof. and Asst. Bot.*
†E. L. LeClerg, M. S., *Asst. Plant Path.*
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[1] For subject-matter workers see the respective division, i. e., agronomy, animal industry, etc.

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Miscellaneous:
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†Philip Garman, Ph. D., *Asst. Ent.*
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†M. P. Zappe, B. S., *Asst. Ent.*

[1] For subject-matter workers see the respective division, i. e., agronomy, animal husbandry, etc.

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[1]For subject-matter workers see the respective division, i. e., agronomy, animal industry, etc.
[2]Given in the Women's College.

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[1] For subject-matter workers see the respective division, i. e., agronomy, animal industry, etc.

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*‡M. P. Jarnagin, D. Sc., *Prof. An. Husb.*
*‡J. H. Wood, B. S., *Prof. Poultry Husb.*
*F. W. Bennett, B. S., *Assoc. Prof. Dairy Husb.*
‡F. W. Fitch, B. S., *Field Agt. in Dairy Husb.*
*C. E. Kellogg, M. S., *Assoc. Prof. An. Husb.*
‡J. G. Liddell, B. S., *Field Agt. in Swine Indus.*
‡L. H. Marlatt, *Field Agt. in Cheese Prod. (Coop. U. S. D. A.).*
‡F. E. Mitchell, B. S., *Poultry Specialist.*
*W. S. Rice, B. S., *Assoc. Prof. An. Husb.*
*H. O. Woodward, B. S., *Adjunct Prof. Poultry Husb.*

Botany:
*J. M. Reade, Ph. D., *Prof. Bot.*

Chemistry:
*L. M. Carter, B. S., *Prof. Agr. Chem.*
*W. O. Collins, B. S., *Assoc. Prof. Soil Chem.*
‡G. L. Fuller, B. S., *Soil Specialist in State Survey.*
*M. W. Lowry, M. A., *Assoc. Prof. Soil Chem.*
*R. M. Soule, B. S., *Assoc. Prof. Agr. Chem.*
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*C. N. Wilder, M. S., *Assoc. Prof. Agr. Chem.*
*R. C. Wilson, Ph. G., *Prof. Pharm. and Materia Medica.*

Economics (Agr.):
‡J. W. Firor, B. S., *State Supvr. Marketing.*
‡W. A. Minor, B. S., *Farm Mgt. Specialist.*
‡E. C. Westbrook, B. S., *Farm Mgt. Specialist.*

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*‡C. W. Summerour, B. S., *Editor.*
‡Laura E. Blackshear, *Illustrator and in charge Educational Exhibits.*

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*W. W. Reitz, M. S., *Assoc. Prof. Agr. Ed.*
*Epsie Campbell, B. S., *Supvr. Voc. Home Econ.*
*P. W. Chapman, B. S., *State Supvr. Voc. Agr. Ed.*
*M. D. Mobley, B. S., *Assoc. Prof. Agr. Ed., in charge Practice School.*
*L. M. Sheffer, B. S., *Assoc. Prof. Agr. Ed.*

Engineering (Agr.):
*‡S. P. Lyle, M. S. A. E., *Prof. Agr. Engin.*
‡W. E. Broach, B. S., *Field Agt. in Agr. Engin.*
*W. A. Clegg, B. S., *Assoc. Prof. Agr. Engin.*

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‡DuPre Barrett, B. S., *Field Agt. in For.*
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*Catherine Newton, M. S., *Assoc. Prof. Foods and Cookery.*
*Rosalie V. Rathbone, B. S., *Assoc. Prof. Textiles and Clothing.*
*Rhea C. Scott, B. S., *Assoc. Prof. Institutional Mgt.*

[1] For subject-matter workers see the respective division, i. e., agronomy, animal industry, etc.

Horticulture:

*‡T. H. McHatton, D. Sc., M. H., *Prof. Hort.*
‡G. H. Firor, B. S., *Field Agt. in Hort.*
‡H. W. Harvey, B. S., *Landsc. Gard. Specialist.*
*R. L. Keener, B. S., *Assoc. Prof. Hort.*
‡H. M. McKay, M. S., *Field Agt. in Hort.*

Veterinary Medicine:

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*W. C. Burkhart, D. V. M., *Assoc. Prof. Vet. Med.*

Veterinary Medicine—Continued.

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Miscellaneous:

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†Susan J. Mathews, B. S., *Nutr. Specialist.*[1]
†Catherine Newton, M. S., *Nutr. Specialist.*[1]
†Frank Van Haltern, M. S., *Assoc. Bot.* (*P. O. Tifton*).
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Agricultural Experiment Station, *Guam, Island of Guam*

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*Richard Wrenshall, Ph. D., *Prof. Chem.*

[1] Working in cooperation with the Georgia State College of Agriculture.

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John Horner, A. B., *Asst. Chem.*
Helene Morita, B. S., *Asst. Path.*
C. P. Sideris, Ph. D., *Path.*
W. A. Wendt, B. S., *Asst. Agr.*

Agricultural Experiment Station, *Honolulu*

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‡Mabel Greene, *Ext. Agt. in Club Work.*
†R. K. Lum, B. S., *Junior Trop. Econ.*
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†D. A. Cooke, *Asst. Agr.*
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†Albert Duval, *Asst. in For.*
†Allister Forbes, *Asst. Agr.*
†D. M. L. Forbes, *Asst. Agr.*
†F. C. Haddon, *Asst. Ent.*
†Fred Hansson, Ph. B., *Asst. Chem.*
†R. H. King, B. S., *Asst. Chem.*
†Y. Kutsunai, B. S., *Asst. Agr.*
†H. A. Lee, *Plant Path.*
†H. L. Lyon, Ph. D., *in charge Dept. of Bot. and For.*
†W. R. McAllep, *Sugar Tech.*
†W. L. McCleery, *Asst. Sugar Tech.*
†G. A. McEldowney, *For. Supvr. (Oahu Project).*
†J. P. Martin, B. S., *Asst. Plant Path.*
†F. Muir, *Ent.*
†Dean Palmer, *Asst. Agr.*
†C. E. Pemberton, *Asst. Ent.*
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†Twigg Smith, *Illustrator.*
†W. E. Smith, *Asst. Sugar Tech.*
†H. K. Stender, B. S., *Asst. Agr.*
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†R. H. Van Zwaluwenburg, B. S., *Asst. Ent.*
†J. A. Verret, B. S., *Agr.*
†A. J. Watt, jr., *Asst. Agr.*
†D. M. Weller, *Histol.*
†J. A. H. Wilder, A. B., *Asst. Agr.*
†F. X. Williams, Sc. D., *Asst. Ent.*
†J. E. Wist, *Supt. Vineyard Street Nursery.*

IDAHO

College of Agriculture and the Agricultural Experiment Station of the University of Idaho, *Moscow*

*College faculty. †Station staff. ‡Extension staff

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*†‡E. J. Iddings, M. S., *Dean Coll. of Agr., Dir. of Sta., Dir. of Ext. Div.*

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*†H. W. Hulbert, M. S., *Prof. Agron.; Agron.*
†‡C. B. Ahlson, B. S., *Field Agron. and Seed Comr. (P. O., Boise).*
†‡Jessie C. Ayres, A. B., *State Seed Analyst (P. O., Boise).*
‡R. H. Bristol, B. S., *Asst. Field Agron. (P. O., Boise).*
*†F. L. Burkart, *Field Supt., Dept. of Agron.*
*†G. R. McDole, M. A., *Assoc. Prof. Agron.; Soil Tech.*

Animal and Poultry Husbandry:

*†C. W. Hickman, B. S., *Prof. An. Husb.; An. Husb.*
*†R. T. Parkhurst, B. S., *Prof. Poultry Husb.; Poultry Husb.*

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†R. F. Johnson, B. S., *Asst. in Feeding Invest.*
‡Pren Moore, *Poultry Specialist (P. O., Boise).*
*†J. E. Nordby, M. S., *Assoc. Prof. and Asst. An. Husb.*
†‡E. F. Rinehart, B. S., *Asst. and Field An. Husb. (P. O., Boise).*

Bacteriology:

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†C. C. Prouty, M. S., *Asst. Bact.*

Botany:

*F. W. Gail, Ph. D., *Prof. Bot.; Bot.*
*Lois Clark, Ph. D., *Asst. Prof. Bot.*

[1]Under the management of the University of Hawaii.

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*E. J. Baldwin, M. S., *Asst. Prof. Chem.*
†W. B. Bollen, Ph. D., *Asst. Agr. Chem.*
*L. C. Cady, B. S., *Instr. Chem.*
*William Cone, B. S., *Instr. Chem.*
*D. D. DuSault, B. S., *Instr. Chem.*
*J. A. Kostalek, Ph. D., *Prof. Org. Chem.*
†H. P. Magnuson, M. S., *Asst. Soil Chem.*
*A. W. Martin, B. S. Ch. E., *Asst. in Chem.*
*†R. S. Snyder, M. S., *Asst. Prof. Agr. Chem.; Assoc. Chem.*
*C. L. von Ende, Ph. D., *Prof. Chem.*

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*†G. C. Anderson, B. S., *Instr. and Asst. in Dairy Husb.*
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‡D. L. Fourt, B. S., *Field Dairyman (P. O., Boise).*
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†G. L. Sulerud, M. A., *Asst. Agr. Econ.*

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*E. F. Mason, B. Lit., *Dir. of Pubs.*

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*B. L. Brigham, B. S., *Supvr. Pract. Teaching in Agr.*

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*†M. R. Lewis, B. S., *Assoc. Prof. Agr. Engin.; Agr. Engin. and Irrig.*
*†Hobart Beresford, B. S. A. E., *Asst. Prof. and Asst. Agr. Engin.*

Entomology:
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†R. W. Haegele, A. B., *Asst. Ent. (P. O., Twin Falls).*
†‡Claude Wakeland, M. S., *Ent. (P. O., Parma).*
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‡Marion M. Hepworth, B. S., *State Home Dem. Leader and Nutr. Specialist.*

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*E. E. Hubert, Ph. D., *Prof. For. Products.*
*H. I. Nettleton, B. S. F., *Instr. For.*
*C. W. Watson, M. F., *Asst. Prof. Silviculture.*

Home Economics:[2]
*Katherine Jensen, M. S., *Prof. Home Econ., Dir. Home Econ. Curriculum.*
*June M. Andrews, B. A., *Special Lect. in Home Econ.*
*Dorothy G. Ellis, M. A., *Assoc. Prof. Home Econ.*
*Ada B. Johnson, B. S., *Asst. Prof. Home Econ.*
*Adah Lewis, M. S., *Assoc. Prof. Home Econ.*
*Jessie B. Thornber, B. S., *Super. Pract. Teaching in Home Econ.*
*Grace Zudreele, B. S., *Asst. Prof. Art and Design.*

Horticulture:
*†C. C. Vincent, M. S., *Prof. Hort.; Hort.*
‡E. R. Bennett, M. H., *Field Hort. (P. O., Boise).*
*†L. E. Longley, M. S., *Assoc. Prof. and Assoc. Hort.*
*†C. V. Schrack, B. S., *Gardener.*

Plant Pathology:
*†C. W. Hungerford, Ph. D., *Prof. Plant Path.; Plant Path. (Coop. U. S. D. A.).*
†J. M. Raeder, M. S., *Asst. Plant Path. (Coop. U. S. D. A.).*

Veterinary Science:
*†B. L. Taylor, D. V. M., *Asst. Prof. Vet. Sci.; Vet.*

Zoology:
*J. E. Wodsedalek, Ph. D., *Prof. Zool.*

Miscellaneous:
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*†Mary B. Sweet, B. L. S., *Instr. Libr. Sci.; Libr.*

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Caldwell—D. A. Stubblefield, *Supt.*
Felt (High Altitude)—W. A. Moss, B. S., *Supt.*
Sandpoint—J. H. Christ, M. S., *Supt.*

ILLINOIS

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†Anna C. Glover, *Secy. and Mgr. of Pubs.*
†Helen H. Peffer, A. B., *Editorial Asst.*

Agronomy:
*†W. L. Burlison, Ph. D., *Head of Dept. Prof. and Chief in Crop Prod.*
†Lilburn Allen, B. S., *Asst. in Soil Survey Anal.*

Agronomy—Continued.
†J. C. Anderson, B. S., *First Asst. in Soil Fert.*
†C. J. Badger, B. S., *Assoc. in Soil Survey Expt. Fields.*

[1] For subject-matter workers see the respective division, i. e., agronomy, animal and poultry husbandry, etc.

[2] Given in College of Letters and Science.

Agronomy—Continued.

†‡F. C. Bauer, Ph. D., *Prof. Soils Ext., Chief in Soil Expt. Fields.*

†R. H. Bray, B. S., *First Asst. in Soil Survey Anal.*

*†W. R. Carroll, M. S., *Asst. in Soil Biol.*

*†F. M. Clark, B. S., *Asst. in Soil Biol.*

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*†F. H. Crane, B. S., *Assoc. in Soil Fert.*

*†E. E. De Turk, Ph. D., *Prof. and Chief in Soil Tech., in charge Soil Anal. of Soil Survey.*

*†G. H. Dungan, Ph. D., *Asst. Prof. and Asst. Chief in Crop Prod.*

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†A. A. Endres, B. S., *Asst. in Soil Survey Mapping.*

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†Benjamin Koehler, Ph. D., *Assoc. Chief in Crop Path.*

†‡John Lamb, jr., B. S., *Assoc. in Soil Survey Expt. Fields and in Soils Ext. (P. O., Newton).*

†A. L. Lang, B. S., *Assoc. in Soil Survey Expt. Fields (P. O., Dixon).*

†H. A. Lunt, M. S., *First Asst. in Soil Fert. and Soil Expt. Fields.*

†L. B. Miller, B. S., *Asst. in Soil Survey Expt. Fields (P. O., Dixon).*

†J. E. McKittrick, M. S., *Asst. in Soil Survey Expt. Fields (P. O., Newton).*

†E. A. Norton, B. S., *Assoc. in Soil Survey Mapping.*

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*†O. H. Sears, M. S., *Asst. Prof. and Asst. Chief in Soil Biol.*

†E. G. Sieveking, A. M., *First Asst. in Soil Survey Anal.*

†L. H. Smith, Ph. D., *Chief in charge Pubs. of Soil Survey.*

*†R. S. Smith, Ph. D., *Prof. and Chief in Soil Phys., in charge Identification and Mapping of Soil Types.*

†‡H. J. Snider, M. S., *Asst. Chief in Soil Expt. Fields. Soils Ext. Work.*

†V. E. Spencer, B. S., *Assoc. in Soil Fert.*

†R. W. Stark, M. S., *Assoc. in Crop Prod.*

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†A. U. Thor, B. S., *First Asst. in Soil Survey Expt. Fields.*

*†D. C. Wimer, M. S., *Asst. Prof. and Asst. Chief in Soil Phys.*

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*†C. M. Woodworth, Ph. D., *Assoc. Prof. and Assoc. Chief in Plant Brdg.*

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†P. M. Baldwin, B. S., *Asst. in An. Nutr.*

†Jessie R. Beadles, B. S., *Asst. in An. Nutr.*

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*†R. A. Smith, B. S., *Asst. in An. Husb.*

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Dairy Husbandry:

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*Anna B. Robinson, A. M., *Assoc. in Home Econ. Ed.*

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Extension (Coop.):[3]

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‡J. D. Bilsborrow, B. S., *Asst. State Leader of Farm Advisers.*

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[1] Courses given in College of Commerce.

[2] Courses given in College of Education.

[3] For subject-matter workers see the respective division, i. e., agronomy, animal husbandry, etc.

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Dairy Husbandry:

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Economics—*See* **Farm Management.**

Education (Agr.):

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Engineering (Rural):

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Extension (Admin.):[1]

Director Christie *in charge.*
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‡Lella R. Gaddis, *State Home Dem. Leader.*
‡Z. M. Smith, A. M., *State Club Leader.*
‡E. L. Austin, B. S., *Assoc. State Club Leader.*
‡W. Q. Fitch, B. S., *State Leader of Farmers Institutes.*
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Extension—Continued.

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[1] For subject-matter workers see the respective division, i. e., agronomy, animal husbandry, etc.
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Pinney-Purdue Farm, *P. O., Wanatah*—R. H. Bamer, *Supt.*
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*†J. M. Shaw, M. S., *Asst. Prof. and Asst. Chief in Dairy Husb.*
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*Rachel H. Edgar, Ph. D., *Asst. Prof. Chem.*
*Roma Elmer, M. S., *Asst. Chem.*
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Chemistry—Continued.

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Entomology—*See* **Zoology.**

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‡Florence Packman, M. S., *Asst. State Club Leader.*
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‡E. S. Dyas, *Ext. Asst. Prof. Farm Crops and Soils.*
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[1]Noncollegiate course.
[2] For subject-matter workers see the respective division, i. e., animal husbandry, bacteriology, etc.

Home Economics—Continued.

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[1] Noncollegiate course.

Home Economics—Continued.

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*J. B. Francioni, B. S., *Asst. Prof. An. Husb.*
‡M. M. La Croix, B. S., *Swine Husb. Specialist.*
‡L. E. Morgan, M. D., *Livestock and Tick Erad. Specialist.*
‡E. W. Neasham, B. S., *Dairy Specialist.*
‡F. C. Old, B. S., *Poultry Specialist.*
‡G. H. Reymond, B. S., *Asst. Dairy Specialist.*
*C. H. Staples, B. S., *Prof. Dairying.*
‡Elsmer Wilson, B. S., *Asst. Poultry Specialist.*

Botany and Bacteriology:

*†C. W. Edgerton, Ph. D., *Prof. Bot.; Plant Path.*
†W. L. Owen, B. S., *Research Bact.*
†E. V. Abbott, Ph. D., *Asst. Plant Path.*
*W. N. Christopher, B. S., *Instr. Bact.*
*C. F. Moreland, M. S., *Assoc. Prof. Bot. and Bact.*
†E. C. Tims, Ph. D., *Asst. Plant Path.*

Chemistry:

†A. P. Kerr, M. S., *Chief Chem.*
†J. F. Brewster, Ph. D., *Research Chem.*
*C. E. Coates, Ph. D., *Prof. Chem., Dean of Sugar School.*
†‡D. N. Barrow, B. S., *Sugar Cane Specialist* (*Coop. U. S. D. A.*).
†W. P. Denson, B. S., *Asst. Chem.*
†J. L. Farr, M. S., *Asst. Chem.*

Chemistry—Continued.

*E. A. Fieger, Ph. D., *Asst. Prof. Chem.*
*Raymond Freas, Ph. D., *Asst. Prof. Chem.*
†J. H. Jolly, B. S., *Asst. Chem.*
*W. A. Kramer, M. S., *Instr. Chem.*
*R. L. Menville, M. S., *Assoc. Prof. Chem.*
†J. J. Munson, B. S., *Research in Sugar Engin.*
*E. A. Provine, B. A., *Asst. in Chem.*
*F. J. Robichaux, B. A., *Instr. Chem.*
*E. R. Smith, Ph. D., *Asst. Prof. Chem.*

Editorial and Publicity:

‡B. B. Mackay, *Editor.*
‡Marjorie B. Arbour, B. S., *Asst. Editor.*

Education (Agr.):

*J. G. Lee, jr., B. S., *Prof. Agr. Ed.*
*R. L. Davenport, B. S., *Asst. Prof. Agr. Ed.*

Engineering (Agr.):

*E. B. Doran, B. S., *Prof. Farm Mech.*
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Entomology—*See* **Zoology.**

Extension (Admin.):[1]

Director Perkins *in charge.*
‡W. B. Mercier, B. S., *Asst. Dir. and State Agt.*
‡Norma Overbey, B. S., *State Home Dem. Agt.*
‡W. C. Abbott, M. S., *State Club Agt.*
‡I. B. Kerlin, B. S., *Asst. State Club Agt.*
‡Mary Mims, *Asst. State Home Dem. Agt.*
‡L. E. Perrin, *Asst. State Agt.*

Home Economics:

*Mattie R. Sebastian, M. A., *Director.*
*Rosemond H. Kedzie, B. S., *Assoc. Prof. Home Econ.*
*Hazel Baker, B. S., *Instr. Home Econ.*
*Georgia Vaughn, B. S., *Instr. Home Econ.*
‡Mina A. Willis, M. S., *Foods and Nutr. Specialist.*

Horticulture and Forestry:

*J. G. Lee, sr., B. S. *Prof. Hort. and For.*
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‡H. W. Fristoe, B. S., *Garden Specialist.*
‡Montford Hull, *Asst. Hort. Specialist.*
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Physics:

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*R. C. Keen, B. S., *Instr. Phys.*
*Beauregard Perkins, jr., B. S., *Asst. Prof. Phys.*

Veterinary Science:

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‡E. C. Davis, *Specialist in Bee Culture.*
*Mrs. Morris Faures, B. A., *Instr. Zool.*
*J. R. Fowler, B. S., *Instr. Zool.*
*Corinne Keaty, B. A., *Instr. Zool.*
*†H. W. Manter, Ph. D., *Instr. Zool.; Parasitol*
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Miscellaneous:

*Annie M. Beale, *Libr.*
†‡J. K. McHugh, *Libr.*
*†‡R. P. Swire, B. A., *Treas.*

Branch Stations:

W. R. Dodson, B. S., A. B., *Dir. of Stations.*
Fruit and Truck Sta., *P. O., Hammond*—B. Szymoniak, B. S., *Supt. in charge.*
North La. Sta., *P. O., Calhoun*—Sydney Stewart, *Supt. in charge.*
Rice Sta., *P. O., Crowley*—J. M. Jenkins, B. S., *Supt. in charge (Coop. U. S. D. A.).*

Southern University and Agricultural and Mechanical College of the State of Louisiana, *Scotlandville*

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*J. S. Clark, A. M., Ph. D., *President*

*L. C. Bowling, D. V. M., *Agr., An. Husb.*
*John Coruthers, *Voc. Agr.*
*Rebecca Franklin, *Cooking.*
*Cornelius King, *Voc. Agr., Teacher Training.*
*Mrs. Emma N. Maberry, *Dir. Home Econ.*
*Ethel L. Mitchell, *Cooking.*
*Irene Myers, *Dressmaking.*
*J. H. Theus, *Agr.*
*Louise Walton, *Sewing, Millinery.*
*Catherine Watkins, *Home Crafts.*

MAINE

College of Agriculture and the Agricultural Experiment Station of the University of Maine, *Orono*

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*H. S. Boardman, C. E., D. Eng., *Actg. President of University*
*‡L. S. Merrill, M. D., D. Sc., *Dean Coll. of Agr., Dir. Agr. Ext. Service*
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Agronomy:

*G. E. Simmons, D. Sc., *Prof. Agron.*
‡A. K. Gardner, B. S., *Crops Specialist.*
*B. C. Helmick, M. S., *Asst. Prof. Agron.*
*H. C. Swift, M. S., *Asst. Prof. Agron. and Agr. Engin.*

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*L. M. Dorsey, M. S., *Assoc. Prof. An. Indus.*
*L. P. Gardner, M. S., *Asst. Prof. Poultry Husb.*
*H. W. Hall, B. S., *Instr. An. Indus.*
‡R. F. Talbot, B. S., *Dairy Specialist.*
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[1] For subject-matter workers see the respective division, i. e., agronomy, animal industry, etc.

Bacteriology:

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Biology:

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*P. W. Whiting, Ph. D., *Prof. Biol.*
†Karl Sax, D. Sc., *Biol.*
*C. H. Batchelder, M. S., *Assoc. Prof. Zool.*
†Mrs. Iva M. Burgess, M. S., *Sci. Aid.*
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*W. H. Eyster, Ph. D., *Prof. Bot.*
†Marjorie E. Gooch, M. S., *Asst. in Biol.*
*Mrs. Helen W. Imlah, M. S., *Instr. Zool.*
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†H. B. Smith, M. S., *Asst. Biol.*
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Chemistry:

*L. H. Merrill, Sc. D., *Prof. Biol. and Agr. Chem.*
†J. M. Bartlett, M. S., *Chem.*
†B. E. Plummer, jr., M. S., *Asst. Chem.*
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Editorial:

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*H. S. Hill, A. B., *Prof. Agr. Ed.*

Entomology:

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†C. R. Phipps, B. S., *Assoc. Ent.*
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Extension (Admin.):[1]

Director Merrill *in charge*
‡A. L. Deering, B. S., *County Agt. Leader.*
‡Rosalind M. Jewett, B. S , *State Home Dem. Leader.*
‡L. H. Shibles, A. B., *State Club Leader.*
‡M. D. Jones, B. S., *Farm Mgt. Dem.*
‡Arra S. Mixter, *Asst. State Club Leader.*

Forestry:

*J. M. Briscoe, M. F., *Prof. For.*
*C. W. L. Chapman, M. S., *Asst. Prof. For.*
*D. B. Demeritt, M. F., *Asst. Prof. For.*
‡M. E. Watson, B. S., *For. Specialist.*

Home Economics:

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*Louise Bancroft, B. S., *Asst. Prof. Home Econ.*
*Rena Campbell, B. S., *Instr. Home Econ.*
‡Edna M. Cobb, *Clothing Specialist.*
*Pearl S. Greene, M. A., *Assoc. Prof. Home Econ.*
‡Estelle Nason, B. S., *Nutr. Specialist.*

Horticulture:

*J. H. Waring, M. S., *Prof. Hort.*
*W. W. Wiggin, M. S., *Instr. Hort.*
*H. O. Yates, jr., B. S., *Instr. Hort.*

Plant Pathology:

†Donald Folsom, Ph. D., *Plant Path.*
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†Louise M. Baker, *Lab. Asst. in Plant Path.*

Substations:

Aroostook Farm, *P. O., Presque Isle*—Perley Downing, *Supt.*
Highmoor Farm, *P. O., Monmouth*—Wellington Sinclair, *Supt.*

MARYLAND

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‡T. B. Symons, M .S., D. Agr., *Dir. of Ext. Service*
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†J. W. Mumford, *Asst. Agron.*
‡F. W. Oldenburg, B. S., *Agron. Specialist.*
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Animal and Dairy Husbandry:

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*†B. E. Carmichael, M. S., *Prof. An. Husb.; An. Husb.*
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Animal and Dairy Husbandry—Continued.

*†S. H. Harvey, M. S., *Asst. Prof. and Asst. Dairy Husb.*
*W. E. Hunt, M. S., *Asst. Prof. An. Husb.*
*†L. W. Ingham, M. S., *Instr. and Asst. in Dairy Husb.*
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Bacteriology:

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†W. R. Crawford, D. V. M., *Asst. An. Path.*
†M. B. Melroy, M. S., *Asst. in Bact.*
*†L. J. Poelma, D. V. M., *Asst. Prof. Dairy Bact.; Asst. An. Path.*
*R. C. Reed., Ph. B., D. V. M., *Prof. An. Path.*
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[1] For subject-matter workers, see the respective division, i. e., agronomy, animal industry, etc.

Botany:

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*†P. W. Zimmerman, Ph. D., *Prof. Bot. and Ecology, Assoc. Dean Coll. of Agr.*
†F. S. Holmes, M. S., *Seed Insp.*
†Ellen Emack, *Asst. in Seed Insp.*
†Anna M. Hook, *Asst. in Seed Insp.*
†Olive M. Kelk, *Asst. in Seed Insp.*
†Ruth M. Mostyn, *Asst. in Seed Insp.*
†Katherine Smith, *Asst. in Seed Insp.*

Chemistry:

Director Patterson, *Sta. Chem.*
*N. E. Gordon, Ph. D., *Prof. Phys. Chem. (State Chem.).*
*L. E. Bopst, B. S., *Chem. in charge Feed and Fert. Insp.*
*L. B. Broughton, M. S., *Prof. Agr. and Food Chem.*
†H. B. McDonnell, M. S., M. D., *Chem. in An. Path. Invest.*
*R. C. Wiley, M. S., *Assoc. Prof. Chem.*

Economics—*See* **Farm Management.**

Editorial—*See* **Journalism.**

Education (Agr.):[1]

*H. F. Cotterman, M. A., *Prof. Agr. Ed. and Rural Sociol.*
*F. D. Day, B. S., *Instr. Agr. Ed.*
‡C. S. Richardson, A. M., *Specialist in Ed. Ext.*

Engineering (Agr.):

*‡R. W. Carpenter, A. B., *Prof. Farm Engin.*

Entomology:

*†‡E. N. Cory, M. S., *Prof. Ent.; Ent. (State Ent.).*
†Paul Knight, B. S., *Asst. Ent*
†H. S. McConnell, M. S., *Assoc. Ent.*
*C. J. Pierson, M. A., *Prof. Zool.*
‡P. D. Sanders, M. S., *Asst. Ent.*
†H. H. Shepard, B. S., *Asst. Ent.*
*R. V. Truitt, M. S., *Prof. Aquiculture.*

Extension (Admin.):[2]

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‡F. B. Bomberger, A. M., D. Sc., *Asst. Dir. and Specialist in Rural Organ. and Marketing (Chief, State Dept. of Markets).*
‡Venia M. Kellar, B. S., *State Home Dem. Agt.*
‡E. G. Jenkins, *State Boys' Club Agt.*
‡Dorothy Emerson, *Girls' Club Agt.*

Farm Management and Economics:

*‡W. T. L. Taliaferro, D. Sc., *Prof. and Specialist in Farm Mgt.*
*†‡S. H. DeVault, Ph. D., *Prof. and Specialist in Agr. Econ.*
†E. L. Brown, M. S., *Asst. Agr. Econ.*
‡S. B. Shaw, B. S., *Chief Insp. and Marketing Specialist.*
†W. P. Walker, M. S., *Asst. Agr. Econ.*

Forestry:

*F. W. Besley, M. F., D. Sc., *Lect. on For. (State For.).*
‡F. B. Trenk, M. S., *For. Specialist.*

Home Economics:

Dean Mount *in charge, and Prof. of Home and Institutional Mgt.*
‡Jessie Campbell, B. S., *Nutr. Specialist.*
*Audrey Killiam, B. S., *Asst. in Home Econ.*
*Mrs. Frieda M. McFarland, A. B., *Prof. Textiles and Clothing.*
*Edna B. McNaughton, M. A., *Prof. Home Econ. Ed.*
*Mrs. Claribel P. Welsh, B. S., *Assoc. Prof. Foods.*

Horticulture:

*†‡E. C. Auchter, Ph. D., *Prof. Hort.; Hort.*
‡W. R. Ballard, B. S., *Landsc. and Veg. Gard. Specialist.*
*J. B. Blandford, *Instr. and Hort. Supt.*
*†V. R. Boswell, M. S., *Instr. and Asst. Hort.*
*†F. W. Geise, M. S., *Prof. Oler.; Veg. Brdg.*
‡L. M. Goodwin, *Canning Crops Specialist.*
†A. L. Schrader, Ph. D., *Asst. Pomol.*
*A. S. Thurston, M. S., *Assoc. Prof. Flor. and Landsc. Gard.*
‡A. F. Vierheller, M. S., *Hort. Specialist.*
†T. H. White, M. S., *Veg. and Flor. Work.*
*W. E. Whitehouse, M. S., *Asst. Prof. Pomol.*

Journalism:

†‡M. D. Bowers, A. B., *Specialist in Agr. Journalism.*

Plant Pathology:

*‡C. E. Temple, M. A., *Prof. Plant Path. (State Plant Path.).*
‡H. A. Hunter, B. S., *Asst. Plant Path.*
†‡R. A. Jehle, Ph. D., *Assoc. and Specialist in Plant Path.*

Plant Physiology and Biochemistry:

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†C. M. Conrad, Ph .D., *Asst. Plant Physiol.*
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†C. L. Smith, B. S., *Asst. in Plant Physiol.*

Poultry Husbandry:

*†R. H. Waite, B. S., *Prof. Poultry Husb.; Poultry Husb.*
*†F. H. Leuschner, B. S., *Asst. Prof. and Assoc. Poultry Husb.*
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Soils:

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Miscellaneous:

*Grace Barnes, B. S., B. L., *Libr.*

Substations:

Ridgely Farm, *P. O., Ridgely*—Albert White, B. S., *Supt.*

[1] Courses given in College of Education.
[2] For subject-matter workers see the respective division, i. e., agronomy, animal and dairy husbandry, etc.

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*C. E. Clark, *An. Husb.*
‡Louis Martin, *County Agr. Dem.*
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MASSACHUSETTS

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Agronomy:
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Animal and Poultry Husbandry:
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†J. R. Alcock, *Lab. Asst. in An. Nutr.*
*Luther Banta, B. S., *Asst. Prof. Poultry Husb.*
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‡W. C. Monahan, B. S., *Ext. Prof. Poultry Husb.*
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*V. A. Rice, M. Agr., *Asst. Prof. An. Husb.*
†Ruby Sanborn, A. B., *Invest. in Poultry Husb.*
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Botany:
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†W. L. Doran, M. S., *Asst. Research Prof. Bot.*
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Chemistry:
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†H. L. Allen, *Lab. Asst. in Chem.*
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*J. S. Chamberlain, Ph. D., *Prof. Org. and Agr. Chem.*
†G. B. Dalrymple, *Analyst in Fert. Control.*
†G. M. Gilligan, B. S., *Invest. in Chem.*
†H. D. Haskins, B. S., *Chem. in Fert. Control.*
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Chemistry—Continued.
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†F. J. Kokoski, B. S., *Analyst.*
†F. W. Morse, M. S., *Research Prof. Chem.*
*C. A. Peters, Ph. D., *Prof. Inorg. and Soil Chem.*
*Paul Serex, jr., Ph. D., *Asst. Prof. Chem.*
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Dairying:
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‡W. P. B. Lockwood, M. S., *Ext. Prof. Dairying.*
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†A. W. Phillips, A. M., *Asst. Research Prof Dairying.*
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Economics (Agr. and Sociol.):
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†Lorian P. Jefferson, A. M., *Asst. Research Prof. Agr. Econ.*
‡R. J. McFall, Ph. D., *Ext. Prof. Agr. Econ.*
*D. W. Sawtelle, M. S., *Asst. Prof. Agr. Econ.*
†Ruth E. Sherburne, B. S., *Lab. Asst. in Agr. Econ.*
*N. L. Sims, Ph. D., *Prof. Rural Sociol.*
†H. W. Yount, M. S., *Asst. Research Prof. Agr Econ.*

Editorial:
——— ———, *Ext. Editor.*
†F. Ethel Felton, B. A., *Editorial Asst.*

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*H. N. Glick, Ph. D., *Prof. Agr. Ed.*

Engineering (Rural):
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*J. B. Newlon, *Instr. Rural Engin.*
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Entomology:
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†A. I. Bourne, B. A., *Asst. Research Prof. Ent.*
*M. H. Cassidy, B. S., *Asst. Prof. Beekeeping*
*G. C. Crampton, Ph. D., *Prof. Insect Morphol.*
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Extension (Admin.):[1]

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[1] For subject-matter workers see the respective division, i. e., animal husbandry, botany, etc.

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[1] For subject-matter workers see the respective division, i. e., agronomy, animal husbandry, etc.

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[1] For subject-matter workers see the respective division, i. e., agronomy, animal husbandry, etc.
[2] This institution gives the academic title to all employees.

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[1] For subject-matter workers see the respective division, i. e., animal husbandry, botany, etc.

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[1] For subject-matter workers see the respective division, i. e., agronomy, animal husbandry, etc.

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*‡Mary E. Stillwell, B. S., *Assoc. Prof. and Asst. Dir. of Ext.*

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*Mrs. Luella M. Foster, B. S., *Asst. Prof. Home Econ.*
*Louise K. Hammond, B. S., *Asst. Prof. Home Econ.*
*Jessie P. Pope, B. S., *Asst. Prof. Home Econ.*

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*G. B. Blair, A. M., *Assoc. Prof. Phys.*

Veterinary Science:

†Edward Records, V. M. D., *Vet.*
†L. R. Vawter, D. V. M., *Vet. Path.*

Miscellaneous:

†Mrs. Martha Bruce, *Libr. and Secy.*

NEW HAMPSHIRE

The College of Agriculture and the Mechanic Arts and the Agricultural Experiment Station of the University of New Hampshire, *Durham*

*College faculty. †Station staff. ‡Extension staff

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*†F. W. Taylor, B. S., *Dean Coll. of Agr. Agron.*
†‡J. C. Kendall, B. S., *Dir. of Sta., Dir. Ext. Service*

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*†M. G. Eastman, M. S., *Assoc. Prof. and Assoc. Agron.*
†‡F. S. Prince, B. S., *Research and Ext. Specialist in Soils and Crops.*

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*†J. C. McNutt, B. S., *Prof. An. Husb.; An. Husb.*
†E. G. Ritzman, B. S., *Research Prof. An. Husb.*
*†A. W. Richardson, B. S., *Prof. Poultry Husb.; Poultry Husb.*

[1] For subject-matter workers see the respective division, i. e., agronomy, animal industry, etc.

Animal and Poultry Husbandry—Continued
*H. J. Bennett, B. S., *Field Instr. Poultry Husb.*
*†E. M. Gildow, D. V. M., M. S., *Instr. and Asst. Poultry Husb.*
†A. D. Littlehale, *Shepherd.*
‡F. L. McGettigan, B. S., *Ext. Poultryman.*
†M. H. Voyagis, B. S., *Asst. An. Husb.*

Botany:
*†O. R. Butler, Ph. D., *Prof. Bot.; Bot.*
*Mabel Brown, Ph. D., *Asst. Prof. Bot.*
*†F. R. Clark, M. S., *Asst. Prof. and Asst. Bot.*

Chemistry:
*†T. G. Phillips, Ph. D., *Prof. Agr. Chem.; Chem.*
*Charles James, F. I. C., *Prof. Chem.*
*H. C. Fogg, M. S., *Instr. Chem.*
*W. S. Frost, Ph. D., *Asst. Prof. Chem.*
*G. A. Perley, A. M., *Assoc. Prof. Chem.*
*†S. R. Shimer, M. S., *Instr. and Asst. Agr. Chem.*
*M. M. Smith, A. M., *Asst. Prof. Chem.*
†T. O. Smith, M. S., *Assoc. Chem.*

Dairy Husbandry:
*†J. M. Fuller, B. S., *Prof. Dairy Husb.; Dairy Husb.*
*†H. F. DePew, B. S., *Asst. Prof. and Asst. Dairy Husb.*
*B. E. Huggins, *Instr. Dairy Husb.*
‡G. L. Waugh, B. S., *Agt. in Dairying.*

Economics (Agr.):
†L. B. Lincoln, B. S., *Asst. Agr. Econ.*

Education (Agr.):
*C. H. Young, B. S., *Instr. Agr. Ed.*

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Entomology:
*†W. C. O'Kane, M. A., *Prof. Econ. Ent.; Ent. (State Nursery Insp.).*
*†P. R. Lowry, M. S., *Asst. Prof. Econ. Ent.; Asst. Ent.*

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‡Daisy D. Williamson, *State Home Dem. Leader.*
‡C. B. Wadleigh, B. S., *State Club Leader.*
‡Ann F. Beggs, *Asst. State Home Dem. Leader.*
‡Mary L. Sanborn, *Asst. State Club Leader.*
‡H. C. Woodworth, M. S., *Farm Mgt. Dem.*
†‡H. B. Stevens, A. B., *Executive Secy.*

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‡E. D. Fletcher, *Ext. For.*
*C. L. Stevens, B. S., *Asst. Prof. For.*
*†R. D. Stevens, B. S., *Instr. and Asst. For.*

Home Economics:[2]
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*Irma G. Bowen, B. S., *Instr. Household Arts.*
*Carrie A. Lyford, M. A., *Asst. Prof. Home Econ.*
*Mrs. Ethel H. Piper, *Instr. Home Econ.*

Horticulture:
*†G. F. Potter, M. S., *Prof. Hort.; Hort.*
*†J. R. Hepler, M. S., *Asst. Prof. and Asst. Hort.*
*†James Macfarlane, *Instr. Flor.; Florist.*
‡H. A. Rollins, M. S., *Ext. Hort.*
*†S. W. Wentworth, B. S., *Asst. Prof. and Asst. Hort.*

Physics:
*H. L. Howes, Ph. D., *Prof. Phys.*
*J. V. Adams, B. S., *Instr. Phys.*
*D. E. Higgins, M. S., *Instr. Phys.*
*Clement Moran, A. B., *Asst. Prof. Phys.*

Zoology:
*C. F. Jackson, M. S., *Prof. Zool.*
*H. M. Emery, B. S., *Instr. Zool.*
*Alma D. Jackson, M. A., *Instr. Zool.*
*Edythe M. Tingley, M. S., *Instr. Zool.*

Miscellaneous:
*†W. P. Lewis, B. L. S., M. A., *Libr.*
†‡Elizabeth E. Mehaffey, *Asst. Libr.*

NEW JERSEY

State College of Agriculture and Mechanic Arts and the Agricultural Experiment Station of Rutgers University and the State University of New Jersey, *New Brunswick*

*College faculty. †Station staff. ‡Extension staff

*J. M. Thomas, D. D., LL. D., *President of University*
*†J. G. Lipman, Ph. D., D. Sc., *Dean of Agr. and Dir. of Sta.*
†H. F. Huber, B. S., *Asst. Dir. of Sta.*
‡H. J. Baker, B. S., *Dir. Div. of Ext. in Agr. and Home Econ.*

Animal Husbandry:
*F. G. Helyar, B. S., *Prof. An. Husb. and Dir. of Short Courses.*
*W. C. Skelley, M. S., *Asst. Prof. An. Husb.*

Bacteriology:
*T. J. Murray, M. S., *Prof. Bact.*

Botany and Plant Pathology:
*†J. W. Shive, Ph. D., *Chief of Div. Prof. Plant Physiol.*
†L. G. Campbell, *Field Asst. in Plant Path.*
*M. A. Chrysler, Ph. D., *Assoc. Prof. Bot.*
†Elizabeth Clark, M. S., *Research Asst. in Plant Path.*

Botany and Plant Pathology—Continued.
*Jessie G. Fiske, M. S., *Asst. Prof. Bot. and Physiol.*
†B. R. Fudge, M. S., *Research Asst. in Plant Physiol.*
*C. M. Haenseler, Ph. D., *Instr. Bot.*
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*†W. H. Martin, Ph. D., *Asst. Prof. and Plant Path.*
†W. R. Robbins, M. S., *Research Asst. in Plant Physiol.*
†J. A. Sutfin, *Research Asst. in Plant Path.*

[1] For subject-matter workers see the respective division, i. e., agronomy, animal and poultry husbandry, etc.

[2] Courses given in College of Liberal Arts.

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*A. C. de Regt, M. S., *Assoc. Prof. Chem.*
*I. D. Garard, Ph. D., *Prof. Chem.*
*T. B. Gates, M. S., *Instr. Chem.*
*I. M. Lee, A. M., *Instr. Chem.*
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*M. F. Parker, *Instr. Chem.*
*C. W. Rieman, 3d, Ph. D., *Instr. Chem.*
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*E. L. Sargent, M. S., *Instr. Chem.*
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Dairy Husbandry:

*J. W. Bartlett, B. S., *Prof. Dairy Husb.*
*F. C. Button, B. S., *Assoc. Prof. Dairy Husb.*
‡E. A. Gauntt, B. S., *Asst. Specialist in Dairy Husb.*
‡E. J. Perry, B. S., *Dairy Husb. Specialist.*

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*Henry Keller, jr., M. S., *Asst. Prof. Agr. Econ.*
‡W. F. Knowles, A. B., *Agr. Econ. Specialist.*
†J. L. Seiler, jr., B. S., *Research Asst. in Agr. Econ.*
†A. G. Waller, M. S., *Research Specialist in Agr. Econ. (Coop. U. S. D. A.).*

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*H. B. Allen, B. S., *Asst. in Agr. Ed.*
*E. V. Bearer, M. S., *Instr. Agr. Ed.*

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*D. B. Lucas, M. S., *Instr. Agr. Engin.*

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*†J. M. Ginsburg, Ph. D., *Instr. Ent.; Biochem. in Ent. Invest.*
*†C. C. Hamilton, M. S., *Assoc. Prof. and Assoc. Ent.*
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*Helen Rouse, B. S., *Instr. Home Econ.*

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*J. H. Clark, M. S., *Instr. Pomol.*
*C. H. Connors, B. S., *Instr. Flor.*
*A. J. Farley, B. S., *Assoc. Prof. Hort.*
‡A. F. Mason, M. S., *Fruit Growing Specialist.*
*†G. T. Nightingale, Ph. D., *Biochem. in Hort.*
‡C. H. Nissley, B. S., *Veg. Growing Specialist.*
*L. G. Schermerhorn, B. S., *Assoc. Prof. Veg. Gard.*

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*A. L. Greenlees, Ph. D., *Instr. Phys.*
*D. D. Porter, A. M., *Instr. Phys.*
*F. R. Pratt, Ph. D., *Prof. Phys.*

Poultry Husbandry:

*‡W. H. Allen, B. S., *Actg. Head of Dept.*
*F. R. Beaudette, D. V. M., *Asst. Prof. Poultry Path.*
‡L. M. Black, B. S., *Asst. Specialist in Poultry Husb.*
*C. S. Platt, M. S., *Instr. Poultry Husb.*
*W. C. Thompson,[3] B. S., *Prof. Poultry Husb.*

Soils and Crops:

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‡H. R. Cox, M. S., *Agron. Specialist.*
†R. J. DuBos, *Research Asst. in Soil Microbiol.*
†J. S. Joffe, Ph. D., *Research Asst. in Soils.*
†H. C. McLean, Ph. D., *Soil Bact.*
*G. W. Musgrave, M. S., *Assoc. Prof. Agron.*
†A. L. Prince, M. S., *Asst. Soil Chem.*
*H. B. Sprague, M. S., *Instr. Agron.*
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†Clara H. Wark, *Lab. Asst.*
†H. W. Winsor, *Field Asst. in Soils.*

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*T. C. Nelson, Ph. D., *Assoc. Prof. Zool.*

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‡Mildred B. Murphey, B. S., *Home Dem. Agt. at large.*
‡B. F. Ramsburg, B. S., *Club Agt. at large.*
‡E. L. Scovell, B. S., M. F., *Farm For. Specialist.*

[1] For subject-matter workers see the respective division, i. e., animal husbandry, bacteriology, etc.
[2] Courses given in the College for Women.
[3] On leave.

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†Station staff

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†H. F. Huber, B. S., *Asst. Director.*

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†John Thompson, *Swine Herdsman.*

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†F. S. Beckwith, B. S., *Fert. and Feed Sampler.*
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†Frank Groendyke, *Fert. and Feed Sampler.*
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†G. I. Ball, *Creamery Insp.*
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†F. C. Button, B. S., *Asst. Dairy Husb.*
†Fred Gauntt, *Dairy Herdsman.*
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†C. S. Beckwith, M. S., *Assoc. Ent.*
†J. M. Ginsburg, Ph. D., *Biochem. in Ent. Invest.*
†C. C. Hamilton, M. S., *Assoc. Ent.*
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†Carl Ilg, *Lab. Asst.*
†F. W. Miller, *Asst. Ent.*
†L. A. Stearns, M. S., *Asst. Ent.*

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†H. G. Bailey, *Veg. Gard. Foreman.*
†H. M. Biekart, B. S., *Florist.*
†J. H. Clark, M. S., *Asst. Pomol.*
†C. H. Connors, B. S., *Assoc. in Plant Brdg.*
†A. J. Farley, B. S., *Pomol.*
†G. T. Nightingale, Ph. D., *Biochem. in Hort.*
†L. G. Schermerhorn, B. S., *Oler.*
†C. H. Steelman, *Orchard Foreman.*

Plant Pathology:
†W. H. Martin, Ph. D., *Plant Path.*
†C. M. Haenseler, Ph. D., *Assoc. Plant Path.*

Poultry Husbandry:
†W. C. Thompson,[1] B. S., *Poultry Husb.*
†W. H. Allen, B. S., *Actg. Poultry Husb.*
†J. A. Beatty, *Foreman, Egg-Laying Contests.*
†F. R. Beaudette, D. V. M., *Poultry Path.*
†J. J. Black, D. V. M., *Asst. Poultry Path. (P. O., Vineland).*
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†W. S. Hamilton, *Foreman, Egg-Laying Contests.*
†R. R. Hannas, M. S., *Poultry Research Specialist.*
†C. S. Platt, M. S., *Asst. Poultry Specialist.*

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†Jessie G. Fiske, M. S., *Seed Analyst.*
†Sadie L. Boyce, *Asst. Seed Analyst.*
†F. M. Colt, B. S., *Asst. Seed Analyst.*
†J. A. Small, B. S., *Seed Insp.*
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†H. Heukelekian, Ph. D., *Biochem. in Sewage Invest.*
†Daggmar H. Peterson, A. B., *Asst. in Sewage Invest.*
†P. J. A. Zeller, S. B., *Junior Chem. in Sewage Invest.*

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Dean Lipman, *Soil Chem. and Bact.*
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†E. E. Evaul, B. S., *Research Asst. in Farm Crops.*
†L. L. Lee, B. S., *Research Specialist in Land Utilization.*
†H. C. McLean, Ph. D., *Soil Bact.*
†G. W. Musgrave, M. S., *Agron.*
†A. L. Prince, M. S., *Asst. Soil Chem.*
†H. B. Sprague, M. S., *Asst. Agron.*

Zoology:
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†W. H. Dumont, M. S., *Oyster Research Specialist.*

Miscellaneous:
†J. W. Bellis, *Farm Mgr.*
†G. A. Osborn, A. M., *Libr.*
†Elizabeth G. Skillman, B. S., *Asst. Libr.*

Substations:
Cranberry Sta., *P. O., Whitesbog—*
C. S. Beckwith, M. S., *in charge.*
B. F. Driggers, M. S., *Asst. in Cranberry Invest.*
C. D. Jones, M. S., *Biochem. in Cranberry and Blueberry Invest.*

[1] On leave.

NEW MEXICO

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*†Fabian Garcia, M. S., *Dir. of Sta.*
‡C. F. Monroe, M. Agr., *Dir. of Ext. Service*

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*†J. C. Overpeck, M. S., *Prof. Agron.; Agron.*
*†W. T. Conway, B. S.. *Asst. Prof. and Asst. Agron.*
*†H. V. Jordan, M. A., *Asst. Prof. and Asst. Agron.*
‡G R. Quesenberry, B. S., *Ext. Agron.*

Animal Industry:
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*†O. C. Cunningham, B. S., *Prof. Dairying; Dairyman.*
*†L. N. Berry, B. S., *Prof. Poultry Husb.; Poultryman.*
‡E. E. Anderson, B. S., *Dairy-Poultry Specialist*
*†W. F. Dickson, M. S., *Asst. Prof. and Asst. An. Husb.*

Biology:
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*†P. M. Gilmer, Ph. D., *Assoc. Prof. Biol.; Ent.*

Chemistry:
*†C. W. Botkin, A. M., *Prof. Chem.; Chem. (State Chem.).*
*†G. R. Hamiel, M. A., *Asst. Prof. and Asst. Chem.*
*†A. J. Pinckney, M. S., *Asst. Prof. and Asst. Chem.*
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Economics (Agr.):
†A. L. Walker, M. S., *Agr. Econ.*

Editorial:
†C. P. Wilson, M. S., *Editor and Secy.*

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*C. D. Bohannan, A. B., *Prof. Agr. Ed. and Vice Dean Coll. of Agr.*

Engineering (Agr.):
*H. O. Garst, C. E., *Prof. Irrig. Engin.*
†D. W. Bloodgood, B. S. M. E., *Irrig. Engin. (Coop. U. S. D. A.).*
†A. S. Curry, B. S., *Asst. in Irrig.*

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Director Monroe *in charge.*
‡W. L. Elser, B. S., *Asst. Dir., Eastern Div.*
‡L. H. Hauter, M. S., *Asst. Dir.*
‡H. S. Moles, B. S., *Asst. Dir., Western Div.*
‡Grace B. Long, B. S., *State Home Agt.*
‡Veda Strong, B. S., *Asst. State Home Agt.*
‡Edith Whitehurst, M. S., *Asst. State Home Agt.*

Home Economics:[2]
*Grace Dewey, M. S., *Prof. Home Econ.*
*Margaret A. O'Loughlin, M. S., *Asst. Prof. Home Econ.*

Horticulture:
Director Garcia *in charge.*
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*J. W. Rigney, B. S., *Asst. Prof. Hort.*

Miscellaneous:
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NEW YORK

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*College faculty. †Station staff. ‡Extension staff

*Livingston Farrand, M. D., L. H. D., LL. D., *President of University*
*†A. R. Mann,[4] B. S. A., A. M., *Dean Coll. of Agr.*
*Cornelius Betten, Ph. D., D. Sc., *Dir. of Resident Instruction. Actg. Dean of Coll.*
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‡C. E. Ladd, Ph. D., *Dir. of Ext.*

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*††‡T. L. Lyon, Ph. D., *Head of Dept. Prof. Soil Tech.*
‡J. H. Barron, B. S., *Ext. Prof. Field Crops.*
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*H. O. Buckman, Ph. D., *Prof. Soil Tech.*
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†W. T. Craig, *Asst. in Cereal Invest. (Coop. U. S. D. A.).*
‡L. A. Dalton, B. S., *Ext. Asst. Prof. Field Crops.*
†Leah English, B. S., *Analyst in Agron.*

Agronomy—Continued.
*A. W. Gibson, B. S., *Instr. Farm Pract.*
‡A. F. Gustafson, Ph. D., *Ext. Prof. Soil Tech.*
†F. B. Howe, M. S., *Soil Surveyor.*
*A. C. King, B. S. A., *Prof. Farm Pract. and Farm Superintendence.*
†E. W. Leland, B. S. A., *Experimentalist in Soil Tech.*
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*†J. K. Wilson, Ph. D., *Prof. Soil Tech.*
*‡E. L. Worthen, M. S., *Ext. Prof. Soil Tech.*

[1] For subject-matter workers see the respective division, i. e., agronomy, animal industry, etc.
[2] Given in School of General Science.
[3] All members of the college faculty do experimental work as required.
[4] On leave.

Animal Husbandry:

*†‡H. H. Wing, M. S., *Prof. and Head of Dept.*
*C. L. Allen, Ph. D., *Asst. Prof. An. Husb.*
‡W. T. Crandall, M. S., *Ext. Asst. Prof. An. Husb.*
‡W. T. Grams, B. S., *Ext. Instr. An. Husb.*
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*R. G. Maxwell, B. S., *Instr. An. Husb.*
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†R. S. Curtis, B. S., *An. Husb.*
‡J. A. Arey, B. S., *Dairy Specialist.*
*‡W. L. Clevenger, B. S., *Assoc. Prof. Dairy Mfg.*
‡F. R. Farnham, *Asst. Dairy Specialist (P. O., Asheville).*
†C. D. Grinnells, D. V. M., M. S., *Dairy Invest.*
*F. M. Haig, M. S., *Asst. Prof. An. Husb. and Dairying.*
†J. O. Halverson, Ph. D., *An. Nutr. Research.*
‡W. V. Hays, *Asst. Swine Specialist.*
*†E. H. Hostetler, M. Agr., *Assoc. Prof. An. Husb.; in charge Swine Invest.*
‡A. C. Kimrey, A. B., *Asst. Dairy Specialist.*
*L. F. Koonce, B. S., D. V. M., *Assoc. Prof. Vet. Sci.*
*L. H. McKay, B. S., *Asst. Prof. An. Husb.*
‡W. W. Shay, *Swine Husb. Specialist.*
†F. W. Sherwood, Ph. D., *Asst. in Nutr.*[1]
†H. L. Wilson, *Swiss Cheese Invest. (Coop. U. S. D. A.: P. O., Boone).*

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*†S. G. Lehman, Ph. D., *Prof. Plant Path.; Plant Path.*
*D. B. Anderson, Ph. D., *Asst. Prof. Bot.*
‡G. W. Fant, M. S., *Ext. Plant Path.*
*A. C. Martin, M. S., *Asst. Prof. Bot.*
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*I. V. D. Shunk, A. M., *Asst. Prof. Bot.*

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*W. S. Anderson, M. S., *Asst. Prof. Chem.*
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*A. D. Jones, M. A., *Instr. Chem.*
*W. E. Jordan, M. S., *Asst. Prof. Chem.*
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*G. H. Satterfield, M. A., *Asst. Prof. Chem.*
*L. F. Williams, Ph. D., *Prof. Chem.*
*A. J. Wilson, Ph. D., *Prof. Chem.*

Economics (Rural):

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*†C. C. Taylor, Ph. D., *Prof. Rural Organ.; Econ. Research. Dean of Grad. School.*
*†W. A. Anderson, M. S., *Assoc. Prof. and Assoc. in Rural Sociol.*
*†G. W. Forster, Ph. D., *Prof. Agr. Econ.; Agr. Econ.*
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‡R. W. Graeber, B. S., *For. Specialist.*

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†W. A. Radspinner, M. S., *Asst. Research Pomol.*
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‡C. H. Brannon, B. S., *Asst. Ent. Specialist.*
†C. S. Brimley, *Asst. Ent.*[1]
†J. C. Crawford, M. S., *Asst. Ent.*[1]
†Elizabeth Haban, *Lab. Asst.*
†J. A. Harris, B. S., *Asst. Ent.*[1]
†R. W. Leiby, Ph. D., *Ent.*[1]
‡W. B. Mabee, B. S., *Ent. Specialist.*
*F. B. Meacham, M. S., *Instr. Apiculture.*
*T. B. Mitchell, M. S., *Asst. Prof. Zool. and Ent.*
‡C. L. Sams, *Beekeeping Specialist.*
*L. H. Snyder, M. S., *Assoc. Prof. Zool.*

[1] Under jurisdiction of the commissioner of agriculture (*post office, Raleigh*), cooperating with the station in research.

[2] For subject-matter workers see the respective division, i. e., agronomy, animal industry, etc.

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*†R. J. Harris, *Supt. of Farms.*
*Mrs. Charlotte M. Williamson, *Asst. Libr.*

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Coastal Plain Branch Sta. *P. O., Willard*—Charles Dearing, B. S., *Asst. Dir.* (*Coop. U. S. D. A.*).

Branch Stations—Continued.

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Piedmont Branch Sta., *P. O., Statesville*—F. T. Meacham, M. S., *Asst. Dir.*
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*F. M. Staley, B. S., *Dir. Dept. of Agr., Prof. Agr.*

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*O. G. Donnell, *Supt. of Greenhouse.*
*W. B. Harrison, B. S., *Prof. An. Husb., Farm Supt.*
‡S. B. Simmons, B. S., *Itinerant Teacher Training.*
*D. B. Taylor, B. S., *Prof. Agr. Chem.*
*N. H. Williams, B. S., *Prof. Hort. and Crops.*

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*†P. F. Trowbridge, Ph. D., *Dir. of Sta. Prof. Research Methods*
*‡G. W. Randlett, B. S., *Dir. of Agr. Ext. Prof. Ext. Methods*

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*O. O. Churchill, M. S., *Prof. Agron.* (*Farm Crops*).
*†J. E. Chapman, M. S., *Asst. Prof. and Asst. in Soil Work.*
†E. I. Olsen, B. S., *Asst. Agron.* (*Flax Invest.*) *and Supt. Dem. Farms.*
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[1] Under the State Department of Agriculture and the agricultural experiment station.

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†Stanley Wilner, B. S., *Agt. in Farm Mgt.*

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*L. A. Jackson, M. S., *Instr. Agr. Ed.*

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‡Alice Flaten, B. S., *State Agt. in Home Mgt.*
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*†A. F. Yeager, M. S., *Assoc. Prof. Hort.; Hort.*

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*†H. L. Foust, D. V. M., *Asst. Prof. Vet. Sci. Asst. Vet.*
‡Don McMahon, M. D. C., *State Agt. in An. Health.*
†L. M. Roderick, D. V. M., M. S., *Asst. Vet.*

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*Mrs. Ethyl McVeety, *Libr.*
*Harriet A. Pearson, A. B., *Asst. Libr.*

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R. W. Smith, B. S., *Assoc. Agron. (Coop. U. S. D. A.).*
Edgeley—O. A. Thompson, B. S., Supt.
Hettinger—U. J. Downey, B. S., *Supt.*
Langdon—Victor Sturlaugson, *Supt.*
Williston—A. C. Kuenning, B. S., *Supt.*

OHIO

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‡C. L. Blackman, M. S., *An. Husb. Specialist.*
*J. S. Coffey, B. S., *Prof. An. Husb.*
‡Paul Gerlaugh, B. S., *An. Husb. Specialist.*
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*C. S. Plumb, B. S., *Prof. An. Husb.*
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*S. S. Humphrey, M. S., *Instr. Bot.*

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*J. H. Schaffner, Ph. D., *Prof. Bot.*
*W. G. Stover, Ph. D., *Prof. Bot.*
*L. H. Tiffany, Ph. D., *Asst. Prof. Bot.*
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[1]For subject-matter workers see the respective division, i. e., agronomy, animal husbandry, etc.

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*H. W. Nisonger, B. S., *Asst. Prof. Agr. Ed.*

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‡H. P. Twitchell, B. S., *Agr. Engin. Specialist.*

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‡W. H. Palmer, M. S., *State Club Leader.*
‡F. L. Allen, *Supvr. of Insts. and Ext. Schools.*
‡W. W. Brownfield, B. S., *Dist. Supvr.*
‡G. R. Eastwood, B. S., *Dist. Supvr.*
‡D. S. Myer, B. S., *Dist. Supvr.*
‡B. B. Spohn, B. S., *Dist. Supvr.*
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‡Hulda E. Horst, B. S., *Asst. State Club Leader.*
‡Adele Koch, M. S., *Asst. State Home Dem. Leader.*
‡C. C. Lang, B. S., *Asst. State Club Leader.*

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*R. H. Livingston, *Asst. in Farm Crops.*
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*Clara Bancroft, B. S., *Instr. Voc. Home Econ.*
‡Geneva M. Bane, B. S., *Home Mgt. Specialist.*
‡Anne Biebricker, B. S., *Clothing Specialist.*
‡Jeanette Butler, B. S., *Clothing Specialist.*
‡Edna Callahan, B. S., *Clothing Specialist.*
*Elizabeth C. Cooley, M. S., *Instr. Home Econ.*
*Alice M. Donnelly, B. S., *Asst. Prof. Home Econ.*
*L. June Findley, M. A., *Asst. Prof. Home Econ.*
‡Alma L. Garvin, B. S., *Nutr. Specialist.*
*Hazel Huston, B. S., *Instr. Home Econ.*
*Almeda Jones, B. S., *Instr. Home Econ.*
*Hughina McKay, M. A., *Asst. Prof. Home Econ.*
‡Lelia Ogle, *Nutr. Specialist.*
*Ida Patterson, B. S., *Asst. Prof. Home Econ.*
*Leona R. Peckham, B. S., *Instr. Home Econ.*
‡Wanda Przyluska, B. S., *Home Health Specialist.*
*Susan Roof, B. S., *Instr. Home Econ.*
*Eunice Ryan, M. A., *Instr. Home Econ.*
*Mrs. Elsie Steiger, B. S., *Instr. Home Econ.*
*Grace G. Walker, B. S., *Prof. Home Econ.*

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*F. G. Charles, B. S., *Instr. Hort.*
‡F. W. Dean, B. S., *For. Specialist.*[1]
‡C. S. Holland, B. S., *Hort. Specialist.*
*A. C. Hottes, M. S., *Prof. Flor.*
*Elusina Lazenby, B. A., *Instr. Landsc. Arch.*
*G. L. Lynch, M. L. A., *Asst. Prof. Landsc. Arch.*
*L. M. Montgomery, M. S., *Prof. Hort.*
*John Morrison, *Asst. Hort.*
*N. W. Scherer, B. S., *Asst. Prof. For.*
*W. R. Sears, B. S., M. L. A., *Prof. Landsc. Arch.*
*A. D. Taylor, M. S., *Prof. Landsc. Arch. (non-resident).*
‡E. B. Tussing, B. S., *Veg. Gard. Specialist.*

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‡C. E. Wilson, A. B., *Asst. in Photog. and Illustrations.*

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‡R. E. Gray, B. S., *Poultry Specialist.*
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[1] See also experiment station staff, p. 59.
[2] For subject-matter workers see the respective division, i. e., animal husbandry, botany, etc.

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[1] For subject-matter workers see the respective division, i. e., agronomy, animal husbandry, etc.

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[1] For subject-matter workers see the respective division, i. e., animal husbandry, bacteriology, etc.

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[1] For subject-matter workers see the respective division, i. e., agronomy, animal and poultry husbandry, etc.

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[1] For subject-matter workers see the respective division, i e., agronomy, animal industry, etc.

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[1] On leave.
[2] State Crop Pest Commission Work.
[3] For subject-matter workers see the respective division, i. e., agronomy, animal industry, etc.

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[1] For subject-matter workers see the respective division, i. e., animal husbandry, bacteriology, etc.

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*‡F. W. Duffee, B. S., *Assoc Prof. Agr. Engin.*
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*†‡J. H. Swenehart, B. S., *Prof. Agr. Engin. (Land Clearing); Agr. Engin.*
‡F. G. Wilson, *For. Specialist (Coop. U. S. D. A.).*
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‡Elizabeth M. Salter, B. S., *Asst. State Club Leader.*
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[1] For subject-matter workers see the respective division, i. e., agronomy, animal husbandry, etc.

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Miscellaneous:
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E. J. Delwiche, M. S., *in charge (P. O. Green Bay).*
Hancock and Coddington Stas.—
A. R. Albert, B. S., *in charge (P. O., Hancock).*
Marshfield—
F. L. Musbach, B. S., *in charge.*

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*College faculty. †Station staff. ‡Extension staff

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[1] For subject-matter workers see the respective division, i. e., agronomy, animal industry, etc.
[2] Given in College of Education.

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